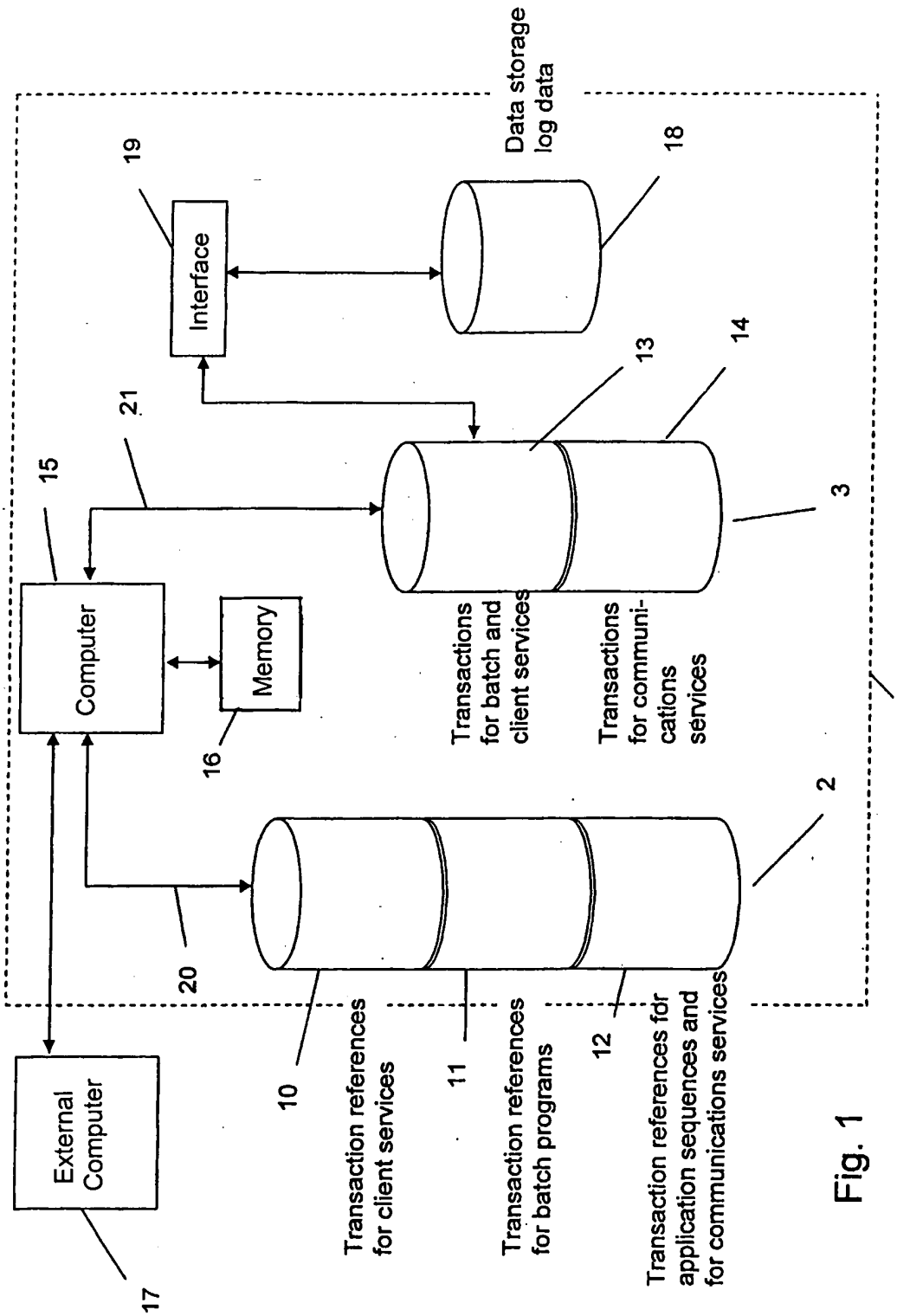
Data storage
log data
18
19
Interface
21
13
14
15
3
Computer
Memory
16
Transactions
for batch and
client services
Transactions
for communi-
cations
services
1
2
20
External
Computer
17
10
11
12
Transaction references
for client services
Transaction references
for batch programs
Transaction references for
application sequences and
for communications services

Fig. 1